

1. EXTENDED SECURITY ON LOG4J VULNERABILITIES

Iptor recommends that you upgrade to the latest version to be safe from vulnerabilities, but until you upgrade, you can consider this step-by-step instruction on how to extend security of Iptor products.

Iptor has tested and verified that the removal of objects from the Log4j library described below does not have a negative impact on the functioning of the Iptor products.

These objects have been shown to be more likely to be vulnerable and the measures has been used in other vulnerability situations in the past.

Before you delete any objects, be sure to follow best practice for change management and back up the libraries and folders you are deleting objects from.

If for any reason you experience a lack of functionality after the change, you will then be able to restore what was installed before the change.

Once you have confirmed the change was successful, also delete the backup as it contains the vulnerable objects.

PRODUCTS IN SCOPE

Iptor Netstore
Iptor XT
Iptor Integrator

REMOVAL OF OBEJCTS

The recommendations below are based on “out of the box”-installations of Iptor Products. If you have customizations and have added Log4j.jar’s, please follow Apache Log4J's remediations.

Iptor products mentioned above do not use JMSAppender however as an additional measure it is recommended to delete the below classes from the Log4j.jar.

Current Version(s)	Removal action
Netstore	<p>Remove the following classes from /<Netstore_Installation_Directory>/</p> <p>Classes to be removed</p> <ul style="list-style-type: none"> • org/apache/log4j/net/SocketServer.class • org/apache/log4j/net/JMSAppender.class • org/apache/log4j/net/SMTPAppender\$1.class • org/apache/log4j/net/SMTPAppender.class
Netstore Solr directory	<p>Remove the following classes from <Netstore_Installation_Directory>/</p> <p>Classes to be removed</p> <ul style="list-style-type: none"> • org/apache/log4j/net/SocketServer.class • org/apache/log4j/net/JMSAppender.class • org/apache/log4j/net/SMTPAppender\$1.class • org/apache/log4j/net/SMTPAppender.class
Integrator	<p>Remove the following classes from <Integrator_Installation_Directory>/</p> <p>Classes to be removed</p> <ul style="list-style-type: none"> • org/apache/log4j/net/SocketServer.class • org/apache/log4j/net/JMSAppender.class • org/apache/log4j/net/SMTPAppender\$1.class • org/apache/log4j/net/SMTPAppender.class
XT	<p>Remove the following classes from <XT_Installation_Directory>/</p> <p>Classes to be removed</p> <ul style="list-style-type: none"> • org/apache/log4j/net/SocketServer.class • org/apache/log4j/net/JMSAppender.class • org/apache/log4j/net/SMTPAppender\$1.class • org/apache/log4j/net/SMTPAppender.class

XT Windows Client	<p>Remove the following classes from < IptorXTClient_Installation_Directory>/</p> <p>Classes to be removed</p> <ul style="list-style-type: none">• org/apache/log4j/net/SocketServer.class• org/apache/log4j/net/JMSAppender.class• org/apache/log4j/net/SMTPAppender\$1.class• org/apache/log4j/net/SMTPAppender.class
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After you have removed the classes according to instructions, please restart the Service Manager.

- Netstore - Netstore Edition x64 Web Administration Service Manager
- Integrator - Web Administration Service Manager
- XT - XT Service Manager

DISCLAIMER

This instruction does not guarantee that the entire server is free of vulnerabilities and you should consider reviewing whether other applications installed on the server are using Log4j and need your attention.